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... fusion 512 sensor fusion 514 **belief** network, dynamic ... of speech) 757 speech **recognition**  
758 feature ... model 765 Viterbi algorithm 770 **blackboard** architecture 773 ...

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... behind behold being **belief** believe bell ... bitterly bitterness black **blackboard** blackish  
blackmail ... recline recluse recognise **recognition** recognizable recognize ...

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speech **recognition** systems use a so-called "blackboard architec- ture ...

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... behead behind behold being ; **belief** believe believer ... bituminous black blackberry **blackboard**  
blacksmith blade ... recite reckless reckon reclaim recline **recognition**. ...

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... behind behold being ; **belief** believe believer, 14. ... bituminous black blackberry **blackboard**  
blacksmith blade ... **recognition** recognize recoil recollect recollection ...

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**recognition** for its FMA ... that would have had a lower **probability** of success ...

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ウリスヤク??テ

... behavior,4 behaviour,4 behind,1 being,2 **belief**,2 believe ... 2 bite,2 bitter,2 black,1  
**blackboard**,1 blade ... 2 recently,3 reception,3 reckless,4 **recognition**,3 recognize ...

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**BLACKBOARD**

BLACKEN BLACKMAIL ... RECKONING RECLAIM RECLINE **RECOGNITION** RECOGNIZE RECOIL ...

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... BEREFT BELONG BELLOW **BELIEF** BEHOLD BEHIND ... BLACKBIRD BLACKSMITH

**BLACKBOARD BLACKBERRY**

BOY BOX ... RECOMMENDATION RECOLLECTION **RECOGNITION** REASONABLENESS  
REALIZATION ...

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... can write the sentence on the **blackboard** or an ... s specific conclusions may be modified,  
his **recognition** of a ... of **belief**; others think the manner of **belief** is the ...

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### **vocabulary**

... behave behavior behind being **belief** believe bell ... bitter bitterly bitterness black

**blackboard** blame blank ... recite reckon reclaim **recognition** recognize recollect ...

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recall 5 3157 **recognition** 5 3158 ... biology 3 4045 bits 3 4046 **blackboard** 3 4047 ...

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... 66 5.3.2.2 Shallow **belief** maintenance ... ACT-R (Webmaster, 1996) and **blackboard** architectures

(see ... Importantly, the perceptual **recognition** of scissors would have ...

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... behind prep.在...后面 being n.存在 ; 生物 ; 生命 **belief** n.信任 ... bitterly

ad.苦苦地 ; 悲痛地 black a.黑色的 ; 黑暗的 **blackboard** n.黑板 ...

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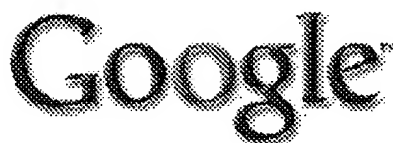
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2**1** [Machine interpretation of CAD data for manufacturing applications](#)

82%



Qiang Ji , Michael M. Marefat

**ACM Computing Surveys (CSUR)** September 1997

Volume 29 Issue 3

Machine interpretation of the shape of a component for CAD databases is an important problem in CAD/CAM, computer vision, and intelligent manufacturing. It can be used in CAD/CAM for evaluation of designs, in computer vision for machine recognition and machine inspection of objects, and in intelligent manufacturing for automating and integrating the link between design and manufacturing. This topic has been an active area of research since the late '70s, and a significant number of computat ...

**2** [Providing intelligent assistance in distributed office environments](#)

82%



Sergei Nirenburg , Victor Lesser

**ACM SIGOIS Bulletin , Proceedings of the third ACM-SIGOIS conference on Office automation systems** December 1986

Volume 7 Issue 2-3

We argue that a task-centered, an agent-centered and a cognition-oriented perspective are all needed for providing intelligent assistance in distributed office environments. We present the architecture for a system called OFFICE that combines these three perspectives. We illustrate this architecture through an example.

**3** [Emotion: Modeling coping behavior in virtual humans: don't worry, be happy](#)

80%




Stacy Marsella , Jonathan Gratch

**Proceedings of the second international joint conference on Autonomous agents and**


### multiagent systems July 2003

This article builds on insights into how humans cope with emotion to guide the design of virtual humans. Although coping is increasingly viewed in the psychological literature as having a central role in human adaptive behavior, it has been largely ignored in computational models of emotion. In this paper, we show how psychological research on the interplay between human emotion, cognition and coping behavior can serve as a central organizing principle for the behavior of human-like autonomous a ...


- 4 A method for analyzing team design activity 80%

 Antonio Carlos , Pereira Maia , Ana Cristina , Bicharra Garcia  
**Proceedings of the conference on Designing interactive systems: processes, practices, methods, & techniques** August 1995


- 5 Fault finder 77%

 W. Elliot , Mordechay Schneider  
**Proceedings of the 1990 ACM SIGSMALL/PC symposium on Small systems** February 1990  
The FAULT FINDER Expert System implements fault isolation decisions for any target system or equipment that can be modeled by lowest replaceable units (hereafter called LRUs). The term "Target System" will be used to refer to the system being fault isolated. The Fault Finder expert system fault isolates the target system's LRUs. This expert system utilizes a data base to represent each LRU, a status interface to obtain LRU status, and a knowledge base to store the rules of fault ...

- 6 What is coordination theory and how can it help design cooperative work systems? 77%

 Thomas W. Malone , Kevin Crowston  
**Proceedings of the 1990 ACM conference on Computer-supported cooperative work** September 1990  
It is possible to design cooperative work tools based only on "common sense" and good intuitions. But the history of technology is replete with examples of good theories greatly aiding the development of useful technology. Where, then, might we look for theories to help us design computer-supported cooperative work tools? In this paper, we will describe one possible perspective—the interdisciplinary study of coordination—that focuses, in part, on how people work together ...

- 7 Knowledge-based assistant for colonoscopy 77%

 L. Enrique Sucar , Duncan F. Gillies  
**Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2** June 1990  
Endoscopy is a complex task in which an expert physician is required to guide the endoscope inside the human colon. The objective of this system is to develop a computer assistant that could help the doctor with the navigation of the endoscope inside the colon, serving as an advisory system for learning endoscopists. A knowledge-base (KB) in colon endoscopy has been compiled from the knowledge extracted from an expert colonoscopist. It includes knowledge for colon image interpretation ...

- 8 Stylitism, Synergism, And Syncretism: The interface of computer science and operations 77%

research

Richard E. Nance

**Proceedings of the 1978 annual conference** December 1978

In 1970 I authored a paper dealing with the interface of Operations Research and Computer Science, which was presented at the 37th Meeting of ORSA on April 20-22, 1970. [NANCR70]. That paper, which included the thoughts and opinions of several eminent computer scientists, has proved to be interesting reading some eight years later. My view of the interface between the two disciplines has changed but slightly in that time; nevertheless, certain intersections of the two disciplines are now mo ...

9 A framework for comparing language experiences (With Particular emphasis on: The effect of 77%audience on discourse models)

Andee Rubin

**Proceedings of the theoretical issues in natural language processing-2** July 1978

Just as the early transformational focus on syntax resulted in a model which missed many crucial insights about language, so does our current research risk formulating incomplete and even inaccurate models by focusing on certain communicative situations without adequate insight into their relationship to others. My own focus in an attempt to point out what such a narrow view might miss, and to provide a framework in which to examine a wide variety of language experiences and discover what e ...

10 Computers in society&mdash;a course description, purpose and rationale 77%

Hans E. Lee

**Proceedings of the second SIGCSE technical symposium on Education in computer science** March 1972

Irrespective of one's personal position on the role of computers in society, it is indeed desirable that all college graduates in the coming years have a realistic even though minimal understanding of how computers work and how they may be directed to implement and maintain almost any desired social system. Consequently, the primary purpose of this course on computers in society is to give an elementary but sound fundamental understanding of how computers work, what they can do, what applic ...

11 CHI research at MCC 77%

J. Hollan , B. Curtis

**ACM SIGCHI Bulletin , Proceedings of the SIGCHI conference on Human factors in computing systems: Wings for the mind** March 1989  
Volume 20 Issue SI12 Beyond the chalkboard: computer support for collaboration and problem solving in meetings 77%


Mark Stefik , Gregg Foster , Daniel G. Bobrow , Kenneth Kahn , Stan Lanning , Lucy Suchman


**Communications of the ACM** January 1987


Volume 30 Issue 1


Although individual use of computers is fairly widespread, in meetings we tend to leave them behind. At Xerox PARC, an experimental meeting room called the Colab has been created to study computer support of collaborative problem solving in face-to-face meetings. The long-term goal is to understand how to build computer tools to make meetings more effective.


- 13** Fast detection of communication patterns in distributed executions
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 Thomas Kunz , Michiel F. H. Seuren  
**Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research** November 1997  
 Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...
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 Paolo Busetta , Antonia Donà , Michele Nori  
**Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 3** July 2002  
 Multi-agent systems can benefit from the possibility of broadcasting messages to a wide audience. The audience may include overhearing agents which, unknown to senders, observe conversations and, among other things, pro-actively send suggestions. Current mainstream agent communication languages however lack adequate support for broadcasting. This paper defines the requirements for a form of broadcast that we call *channeled multicast*, whose distinguishing features include the ability to di ...
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 Karen Sutherland  
**intelligence** December 2001  
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- 16** A connectionist approach to conceptual information retrieval
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 R. K. Belew  
**Proceedings of the first international conference on Artificial intelligence and law** December 1987  
 This report proposes that recent advances using low-level connectionist representations offer new possibilities to those interested in free text information retrieval (IR). The AIR system demonstrates that this representation suits the IR domain well, particularly the special problems attending the more sophisticated forms of conceptual retrieval required in legal applications. Also, the natural way in which connectionist representations allow learning means that AIR can av ...
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 Lee D. Erman , Frederick Hayes-Roth , Victor R. Lesser , D. Raj Reddy  
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-  Richard A. De Millo , Richard J. Lipton , Alan J. Perlis  
**Communications of the ACM** May 1979  
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It is argued that formal verifications of programs, no matter how obtained, will not play the same key role in the development of computer science and software engineering as proofs do in mathematics. Furthermore the absence of continuity, the inevitability of change, and the complexity of specification of significantly many real programs make the formal verification process difficult to justify and manage. It is felt that ease of formal verification should not dominate program language des ...


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